

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040417.D
 Acq On : 12 May 2023 10:57
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/14/2023
 Supervised By : Mahesh Dadoda 05/15/2023

Quant Time: May 12 15:58:00 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.179	49	1078343	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	2718016	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.462	117	2703549	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2139097 9.568 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.710	85	1735635	8.927	ppbv	99
3) Chlorodifluoromethane	2.655	51	1255044	8.907	ppbv	100
4) Chloromethane	2.793	50	795333	8.935	ppbv	100
5) Vinyl Chloride	2.899	62	683205	9.298	ppbv	99
6) Bromomethane	3.099	94	226853	9.371	ppbv	97
7) Chloroethane	3.179	64	258280	9.283	ppbv	93
8) Dichlorotetrafluoroethane	2.838	85	1702055	8.958	ppbv	96
9) Propene	2.674	41	494169	8.877	ppbv	99
10) Heptane	7.571	43	1285152	10.158	ppbv	100
11) Trichlorofluoromethane	3.542	101	1805224	9.172	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.047	101	1287620	9.354	ppbv	99
13) Ethanol	3.224	45	33951m	7.306	ppbv	
14) Bromoethene	3.349	108	544191	9.668	ppbv	97
15) Acetone	3.449	43	1227374	8.036	ppbv	99
16) 1,3-Butadiene	2.967	39	609621	9.645	ppbv	99
17) tert-Butyl alcohol	3.861	59	1328666	9.473	ppbv	99
18) 1,1-Dichloroethene	3.864	96	589629	9.497	ppbv	94
19) Isopropyl Alcohol	3.558	45	639355	9.174	ppbv	100
20) Methylene Chloride	3.915	84	497041	8.151	ppbv	98
21) Allyl Chloride	3.980	41	839472	9.673	ppbv	98
22) trans-1,2-Dichloroethene	4.430	96	593809	9.567	ppbv	98
23) Vinyl Acetate	4.610	43	351002	9.026	ppbv #	94
24) 1,1-Dichloroethane	4.549	63	1216612	9.401	ppbv	99
25) Ethyl Acetate	5.189	43	2387808	9.291	ppbv	100
26) Hexane	5.198	57	1019423	9.409	ppbv	99
27) Carbon Disulfide	4.108	76	1443967	10.298	ppbv	100
28) Methyl tert-Butyl Ether	4.571	73	1069809	9.565	ppbv	99
29) Chloroform	5.263	83	1787206	9.260	ppbv	100
30) Cyclohexane	6.590	84	852849	10.163	ppbv	99
31) cis-1,2-Dichloroethene	5.066	61	1053421	9.809	ppbv	99
32) 1,1,1-Trichloroethane	5.989	97	1791935	9.556	ppbv	100
34) 2-Butanone	4.771	43	1354815	9.244	ppbv	100
35) Carbon Tetrachloride	6.481	117	1844074	9.638	ppbv	98
36) Benzene	6.359	78	2154963	9.718	ppbv	98
37) 1,2-Dichloroethane	5.793	62	1403137	9.633	ppbv	99
38) Trichloroethene	7.282	130	1333694	10.567	ppbv	99
39) 1,2-Dichloropropane	7.066	63	826327	9.470	ppbv	98
40) 1,4-Dioxane	7.279	88	318875	9.542	ppbv #	99
41) Tetrahydrofuran	5.542	42	812157	10.118	ppbv	99
42) Bromodichloromethane	7.237	83	1946051	9.783	ppbv	99
43) Methyl Methacrylate	7.465	69	860525	10.448	ppbv	97
44) 2,2,4-Trimethylpentane	7.317	57	3569319	9.636	ppbv	100
45) t-1,3-Dichloropropene	8.703	75	847428	11.518	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040417.D
 Acq On : 12 May 2023 10:57
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/14/2023
 Supervised By : Mahesh Dadoda 05/15/2023

Quant Time: May 12 15:58:00 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	1139106	11.124	ppbv	98
47) 1,1,2-Trichloroethane	8.889	97	913724	9.551	ppbv	98
48) Dibromochloromethane	9.703	129	1563631	10.149	ppbv	100
49) Bromoform	12.404	173	1213002	10.094	ppbv	100
50) 4-Methyl-2-Pentanone	8.172	43	2258117	10.161	ppbv	100
51) 2-Hexanone	9.542	43	1781881	10.851	ppbv	99
52) Tetrachloroethene	10.606	164	735702	10.606	ppbv	95
53) Toluene	9.214	91	2477732	10.539	ppbv	100
54) 1,2-Dibromoethane	10.002	107	1003106	10.342	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.503	131	1134190	9.191	ppbv	95
57) Chlorobenzene	11.523	112	1923515	9.087	ppbv	95
58) Ethyl Benzene	12.082	91	3389993	10.193	ppbv	97
59) m/p-Xylene	12.368	91	5872839m	19.202	ppbv	
60) o-Xylene	13.053	91	2833133	9.652	ppbv	100
61) Styrene	12.896	104	1615135	10.985	ppbv	99
62) Isopropylbenzene	14.024	105	3989781	9.439	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.044	83	869457	8.094	ppbv	100
64) n-propylbenzene	14.912	120	1012262	9.732	ppbv	98
65) tert-Butylbenzene	16.085	119	3524893	9.478	ppbv	99
66) Benzyl Chloride	16.323	91	239629m	10.407	ppbv	
67) sec-Butylbenzene	16.632	105	5083129	9.516	ppbv	100
69) p-Isopropyltoluene	16.992	119	4140499	9.926	ppbv	99
70) n-Butylbenzene	17.886	91	4659954	10.078	ppbv	99
71) 2-Chlorotoluene	14.799	91	3086282	9.510	ppbv	99
72) 4-Ethyltoluene	15.188	105	3257606	10.053	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	2915976	9.742	ppbv	97
74) 1,2,4-Trimethylbenzene	16.108	105	3256063	9.517	ppbv	90
75) 1,3-Dichlorobenzene	16.330	146	1796939	9.589	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1747207	9.437	ppbv	98
77) 1,2-Dichlorobenzene	17.140	146	1768003	9.542	ppbv	100
78) Hexachloro-1,3-Butadiene	22.632	225	1479489	9.960	ppbv	99
79) Naphthalene	21.384	128	3238201	14.022	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	905961	13.179	ppbv	98
81) 1,2,4-Trichlorobenzene	21.140	180	1649827	11.626	ppbv	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

